

SYSTEM FOR DETECTING START CODES IN MPEG VIDEO STREAMS  
AND METHOD OF OPERATING THE SAME

ABSTRACT OF THE DISCLOSURE

There is disclosed systems for detecting start codes in MPEG  
5 video streams in a digital video recorder (DVR), and methods of  
operating the same. An exemplary MPEG decoder is capable of  
decoding received bitstreams and generating PES packets. The MPEG  
decoder includes a controller that detects start codes in the  
received bitstreams, each of such codes having a three-byte start  
code prefix and a one-byte start code value. The controller is  
operable to (i) fetch a thirty-two bit word of a received  
10 bitstream, (ii) determine whether a start code prefix and a start  
code value are properly aligned within the thirty-two bit word, and  
(iii) if not properly aligned within the thirty-two bit word,  
15 determine whether the least significant byte of the thirty-two bit  
word may be part of the start code prefix.